# www.fluidic-ltd.co.uk



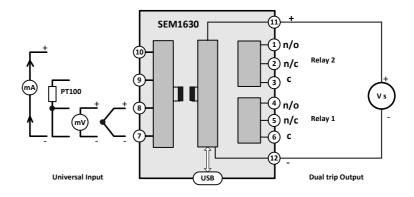
## SEM1630 USER GUIDE

DIN RAIL MOUNTED TRIP AMP UNIVERSAL INPUT **DUAL Form C OUTPUT** 











Important - Potentially Hazardous situations. Persons responsible for the installation and operation of this equipment must be fully aware of all aspects of this guide. Failure to follow the instructions can cause severe injuries and damage.

Every effort has been taken to ensure the accuracy of this document, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.



#### IMPORTANT - CE & SAFETY REQUIREMENTS

This product is suitable for environment Installation category II pollution degree The product is classed as "PERMANENTLY CONNECTED EQUIPMENT".

Product must be DIN rail mounted, inside a suitable enclosure providing environmental protection to IP65 or greater. Dc supply must be derived from a local supply and not a distribution system.

Max relay contact rating 250 V AC @ 1 A (30 V DC @ 1A). Any circuit connected to a contact must be fused with a 2A (T) fuse.

To maintain CE EMC requirements, input and supply wires must be less than 30 metres.

The product contains no serviceable parts, or internal adjustments. no attempt must be made to repair this product. Faulty units must be returned to supplier for repair.

This product must be installed by a qualified person. All electrical wiring must be carried out in accordance with the appropriate regulations for the place of installation.

Before attempting any electrical connection work, please ensure all supplies are switched off.

ABSOLUTE MAXIMUM CONDITIONS ( To exceed may cause damage to the unit):-

± 30 V dc (Protected for over voltage and reverse connection) Supply Voltage

± 200 mA Current with over voltage ± 5 V between any terminals Input Voltage

Input Current ± 100 mA between terminals 7 & 10

Ambient (-30 to 75) °C Humidity (10 to 95) % RH (Non condensing)

### PRODUCT SPECIFICATION

Please refer to the product data sheet for full specification, available to down load at www.status.co.uk.

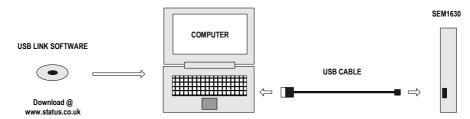
### RECEIVE AND UNPACKING

Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately.

### CONFIGURATION



IMPORTANT The SEM1630 can be configured whilst connected and powered, but a portable battery powered computer must be used to avoid the effects of ground loops.



The following parameter can be configured by simply entering as prompted by the software package.

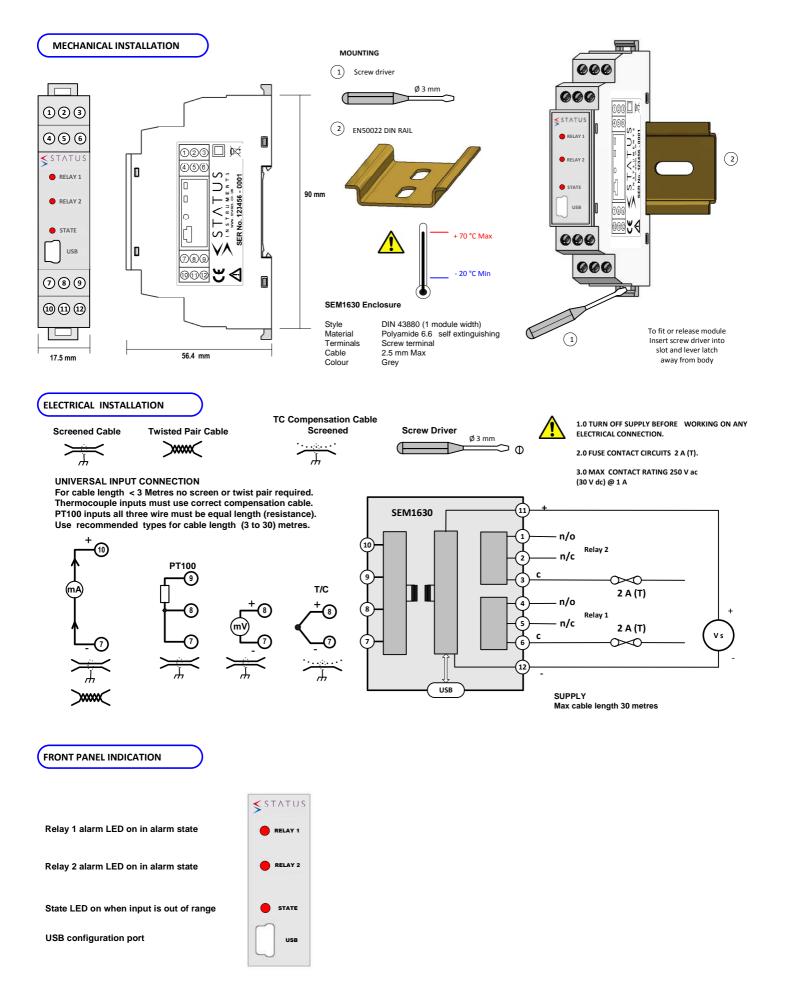
- · Input type (K.J.E.N.T.R.S.mV.PT100.mA)
- · Setpoint Relay 1 & 2

- Hysterisis Relay 1 & 2
  Units (°C, °F, mV, mA)
  Relay 1 & 2 Type (High or Low)

Factory default:

Input type Units Setpoint Relay 1 Hysterisis Relay 2 Relay 2 Setpoint Relay 2 = 50

Note: The power supply and USB port of this device share the same ground, care must be taken to ensure isolation between PC and ground. This is best achieved by using a portable laptop or notebook PC.



Note: The Relays are inverted on power up, the side label shows the powered condition. In a non-alarm condition loss of power to the SEM1630 will cause the relay to change state.